At p. 25, Table 5, left column, please delete "sepharose" and insert therefor -- Sepharose™--.

At p. 25, Table 6, left column, please delete "sepharose" and insert therefor -- Sepharose™--.

After p. 26, please substitute new pages 27-36, which contain the substitute sequence listing for the subject invention.

Please cancel the computer readable copy of the sequence listing, and enter the amended computer readable copy of the sequence listing submitted herewith.

In the Claims:

Please cancel claims 10-16, 22 and 23 without prejudice or disclaimer of the subject matter encompassed therein.

Please amend the following claims:

Claim 1. (Amended) A method for preparing correctly ~~folded and disulfide bond-linked~~ interferon-α by expression in *E. coli*, comprising the steps of :

(a) expressing interferon-α in *E. coli* [comprising] transformed with a vector [in which] comprising a nucleotide sequence encoding the signal [sequence] peptide [of the gene]

Claim ~~21~~ 15. (Amended) The vector of claim ~~17~~ 12, wherein said DNA molecule coding for interferon-α [consists essentially of] comprises the sequence:

```
TGT GAT CTG CCT CAA ACC CAC AGC CTG GGT AGC AGG AGG ACC
TTG ATG CTC CTG GCA CAG ATG AGG AGA ATC TCT CTT TTC TCC
TGC TTG AAG GAC AGA CGT GAC TTT GGA TTT CCC CAG GAG GAG
TTT GGC AAC CAG TTC CAA AAG GCT GAA ACC ATC CCT GTC CTC
CAT GAG ATG ATC CAG CAG ATC TTC AAT CTC TTC AGC ACA AAG
GAC TCA TCT GCT GCT TGG GAT GAG ACC CTC CTA GAC AAA TTC
TAC ACT GAA CTC TAC CAG CAG CTG AAT GAC CTG GAA GCC TGT
GTG ATA CAG GGG GTG GGG GTG ACA GAG ACT CCC CTG ATG AAG
GAG GAC TCC ATT CTG GCT GTG AGG AAA TAC TTC CAA AGA ATC
ACT CTC TAT CTG AAA GAG AAG AAA TAC AGC CCT TGT GCC TGG
GAG GTT GTC AGA GCA GAA ATC ATG AGA TCT TTT TCT TTG TCA
ACA AAC TTG CAA GAA AGT TTA AGA AGT AAG GAA (SEQ ID NO:6)
```

or a sequence encoding interferon-α which [is] has more than about 70% [homologous]sequence identity with this sequence [and said sequence which is said homologous codes for interferon- α].

Please add the following claim:

--Claim ~~24~~ 16. (Added) The vector of claim ~~17~~ 12, wherein said DNA molecule coding for interferon-α comprises the sequence:

GAATTCGAGATTATCGTCACTGCAATGCTTCGCAATATGGCGCAAAATGACCAACAG
CGGTTGATTGATCAGGTAGAGGGGGCGCTGTACGAGGTAAAGCCCGATGCCAGCATT
CCTGACGACGATACGGAGCTGCTGCGCGATTACGTAAAGAAGTTATTGAAGCATCCT
CGTCAGTAAAAAGTTAATCTTTTCAACAGCTGTCATAAAGTTGTCACGGCCGAGACT
TATAGTCGCTTTGTTTTTATTTTTTAATGTATTTGCTCGAGAGGTTGAGGTGATTTT
ATG AAA AAG AAT ATC GCA TTT CTT CTT GCA TCT ATG TTC GTT
TTT TCT ATT GCT ACA AAT CCC TAT GCA TGT GAT CTG CCT CAA
ACC CAC AGC CTG GGT AGC AGG AGG ACC TTG ATG CTC CTG GCA
CAG ATG AGG AGA ATC TCT CTT TTC TCC TGC TTG AAG GAC AGA
CGT GAC TTT GGA TTT CCC CAG GAG GAG TTT GGC AAC CAG TTC
CAA AAG GCT GAA ACC ATC CCT GTC CTC CAT GAG ATG ATC CAG
CAG ATC TTC AAT CTC TTC AGC ACA AAG GAC TCA TCT GCT GCT
TGG GAT GAG ACC CTC CTA GAC AAA TTC TAC ACT GAA CTC TAC
CAG CAG CTG AAT GAC CTG GAA GCC TGT GTG ATA CAG GGG GTG
GGG GTG ACA GAG ACT CCC CTG ATG AAG GAG GAC TCC ATT CTG
GCT GTG AGG AAA TAC TTC CAA AGA ATC ACT CTC TAT CTG AAA
GAG AAG AAA TAC AGC CCT TGT GCC TGG GAG GTT GTC AGA GCA
GAA ATC ATG AGA TCT TTT TCT TTG TCA ACA AAC TTG CAA GAA
AGT TTA AGA AGT AAG GAA TGATAACGATCGTAACTGCA (SEQ ID NO: 7)

or a sequence encoding interferon-α which has more than about 70% sequence identity with this sequence.--